

# *Hydrobiologia*

**Editor-in-chief: K. F. Vaas, Yerseke**

## **Editorial Board**

Sv. Björk, Lund; A. F. de Bont, Kinshasa;  
T. V. Desikachary, Madras; H. B. N. Hynes, Waterloo, Ont.;  
T. T. Macan, Ambleside; G. Marlier, Bruxelles;  
C. H. Mortimer, Milwaukee; R. Ryhänen, Helsinki;  
Vl. Sládecek, Praha; W. R. Taylor, Ann Arbor;  
L. Tonolli, Pallanza; M. Uéno, Kyoto

**VOLUME 46**

**1975**

**Dr. W. Junk b.v. Publishers      The Hague The Netherlands**

|   |     |
|---|-----|
| P. RABINDRANATH: Marine Gammaridea (Crustacea: Amphipoda) from the Indian Region; Family-Ampeliscidae. <i>Sree Vilas, Mavelikkara 690101, Kerala, India</i> .....   | 241 |
| D. G. FREY: Subgeneric Differentiation within <i>Eury cercus</i> (Cladocera, Chydoridae) and a new species from Northern Sweden. <i>Dept. of Zool., Indiana Univ. Bloomington, Indiana 47901, USA</i> .....   | 263 |
| B. C. COWELL, C. W. DYE & R. C. ADAMS: A synoptic Study of the Limnology of Lake Thonotosassa, Florida. Part I. Effects of Primary Treated Sewage and Citrus Wastes. <i>Dept. of Biol., Univ. Florida, Tampa, USA</i> .....                                 | 301 |
| LIBRI NOVI .....  | 347 |
| H. C. GREENBLATT & D. L. PERKINS: The Cultivation and Predator-Prey Relationships <i>Chaenae Vorax</i> and <i>Cyclidium</i> sp. <i>Dept. of Microbiol., Downstate Med. Center, Brooklyn, New York 11203, USA</i> .....                                      | 351 |
| A. M. ABDEL MAGID & M. M. BABIKER: Oxygen Consumption and Respiratory Behaviour of Three Nile Fishes. <i>Dept. of Zool., Univ. of Khartoum, Sudan</i> .....   | 359 |
| R. E. HALL & L. J. MACDONALD: Hatching of the Anostracan Branchiopod <i>Chirocephalus diaphanus</i> PRÉVOST. I. Osmotic Processes and the Possible Role of Glycerol. <i>Dept. of Biol., Univ. of Southampton, England</i> .....                             | 369 |
| A. N. KHALAF & R. E. HALL: Hatching of the Anostracan Branchiopod <i>Chirocephalus Diaphanus</i> PRÉVOST. II. The Role of Embryonic Movements. <i>Biol. Res. Centre, Nr. Coll. of Science, Adhamiyah, Baghdad, Iraq</i> .....                               | 377 |
| J. A. MECHAM & R. B. HOLLIMAN: Toxicity of Zinc to <i>Schistosoma Mansoni</i> Cercaria in a Chemically Defined Water Medium. <i>Biol. Dept. Virginia Polytechnic Inst. and State Univ., Blacksburg, Virginia 24061, USA</i> .....                           | 391 |
| A. E. GORDON & J. B. WALLACE: Distribution of the Family Hydropsychidae (Trichoptera) in the Savannah River Basin of North Carolina, South Carolina and Georgia. <i>Stroud Water Res. Center, Avondale, Pa. 19311, USA</i> .....                            | 405 |
| J. H. JUNGBLUTH: Die rezenten Verbreitung der Flusskrebse in Hessen. (Decapoda: Astacidae). <i>Zool. Inst. I, Universität Heidelberg, 69 Heidelberg, B.R.D.</i> .....   | 425 |
| R. L. CROOME & P. A. TYLER: Phytoplankton Biomass and Primary Productivity of Lake Leake and Tooms Lake, Tasmania. <i>The Univ. of Tasmania. Dept. of Bot. Hobart, Australia 7001</i> .....   | 435 |
| T. FENCHEL: The Quantitative Importance of the Benthic Microfauna of an Arctic Tundra Pond. <i>Lab. of Ecol., Univ. of Aarhus, Denmark</i> .....  | 445 |
| H. LAMINGER: Die Sukzession der Testaceen-Assoziationen (Protozoa, Rhizopoda) im rezenten und subfossilen Spagnum des Obersees bei Lunz (Niederösterreich). <i>Institut für Zool. der Univ. Innsbruck. Oesterreich</i> .....                                | 465 |
| M. BOURNAUD: Eléments d'observation sur la cinématique, la dynamique et l'énergétique de la locomotion dans le courant chez une larve de Trichoptère à fourreau. <i>Université Lyon I, 43, Boulevard du 11 novembre, F 69621 Villeurbanne, France</i> ..... | 489 |
| D. BOLTOVSKY: Some Biometrical, Ecological, Morphological and Distributional Aspects of Chaetognata. <i>Lucio Vincente Lopez 712, Temperley, FCN Roca, Argentina</i> .....  | 515 |
| Y. B. ABU-GIDEIRI & M. T. ALI: A Preliminary Biological Survey of Lake Nubia. <i>Dept. of Zool., Univ. of Khartoum, Sudan</i> .....   | 535 |